

SAMPLING TRIP REPORT

Site Name: NL Industries
CERCLIS ID Number: NJD061843249
Sampling Date: January 15, 2004
CLP Case Number: 32513

1. Site Location:

Pedricktown, Salem County, New Jersey

2. Sample Descriptions:

Refer to Table 1 for CLP samples.

3. Laboratories Receiving Samples:

Case Number	Sample Type	Laboratory Code	Name and Address of Laboratory
32513	TCL - VOA Low Concentration Water (Groundwater)	A4	A4 Scientific 1544 Sawdust Rd. Suite 505 The Woodlands, TX 77380
32513	TAL - Lead and Cadmium dissolved and total (Groundwater)	EPA	U.S. EPA Laboratory Branch 2890 Woodbridge Ave. Edison, NJ 08837

4. Sample Dispatch Data:

On January 15, 2004, a total of five (5) samples for organic Target Compound List (TCL) analysis were shipped by USEPA Region II DESA/HWSB/SCST personnel via Federal Express. All organic samples were sent to a Contract Laboratory Program (CLP) laboratory, A4 Scientific, to be analyzed for TCL fractions - Volatile Organics Compounds (VOCs). The samples included three (3) ground water samples, one (1) laboratory quality control sample (i.e. blind duplicate) and one (1) field quality control (QC) samples (i.e., trip blank). They were sent in one cooler on wet ice to A4 Scientific laboratory via Federal Express under air bill number 841607534884 on January 15, 2004 at 1915. The Organic Chain of Custody Record is presented in Appendix A.

Also on January 15, 2004 a total of four (4) samples for inorganic Target Analyte List (TAL) total lead and cadmium analysis and four (4) samples for TAL dissolved lead and cadmium analysis were hand delivered by USEPA Region II DESA/HWSB/SCST personnel to the U.S. EPA Laboratory Branch at 1930. The inorganic samples included three (3) ground water samples and one (1) laboratory QC sample, (i.e. blind duplicate). The Inorganic Chain of Custody Record can be found in Appendix B.



5. Sampling Personnel:

Name	Organization	Site Duties
Diane Salkie	USEPA Region II DESA/HWSB Superfund Contract Support Team	Project Manager/Sample Management
Robert Finke	USEPA Region II DESA/HWSB Superfund Contract Support Team	Field Personnel
Pat Sheridan	USEPA Region II DESA/HWSB Superfund Contract Support Team	Quality Assurance Officer

6. Additional Comments:

The number of samples includes:

4 groundwater samples including 1 field duplicate (laboratory quality control sample); and
1 trip blank (field quality control sample).

The following CLP Sample Numbers were used for laboratory and/or field quality control:

Laboratory	Laboratory Quality Control (QC) Samples		Field Quality Control (QC) Samples
	Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	Field Duplicate	Trip Blank (Single Blind)
A4 Scientific	-----	B1807 is a duplicate of B1806	B1804
U.S. EPA Laboratory Branch	MB1808	MB1807 is a duplicate of MB1806	-----

7. Report Prepared By:

Diane Salkie

Date: January 20, 2004

1/20/04

TABLE 1
SAMPLE DESCRIPTIONS
NL INDUSTRIES
PEDRICKTOWN, SALEM COUNTY, NEW JERSEY

Sample Location Identifier	Sample Type	Sample Collection		CLP Sample Number	CLP Analysis Requested		Sample Container	Required Sample Volume	Sample Preservation
		Date	Time		Parameter	Fraction			
Trip Blank 1	Aqueous (Field QC - Trip Blank)	01/15/04	1025	B1804	TCL Low Conc.	VOA	40 ml vial with Teflon-lined septum	80 ml	1:1 HCl to pH < 2 Cool to 4°C
ND	Ground Water	01/15/04	1040	B1805	TCL Low Conc.	VOA	40 ml vial with Teflon-lined septum	80 ml	1:1 HCl to pH < 2 Cool to 4°C
				MB1805	Lead, Cadmium	Total Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
				MB1805	Lead, Cadmium	Dissolved Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
KSR	Ground Water	01/15/04	1430	B1806	TCL Low Conc.	VOA	40 ml vial with Teflon-lined septum	80 ml	1:1 HCl to pH < 2 Cool to 4°C
				MB1806	Lead, Cadmium	Total Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
				MB1806	Lead, Cadmium	Dissolved Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
DSR	Ground Water Duplicate of KSR	01/15/04	1445	B1807	TCL Low Conc.	VOA	40 ml vial with Teflon-lined septum	80 ml	1:1 HCl to pH < 2 Cool to 4°C
				MB1807	Lead, Cadmium	Total Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
				MB1807	Lead, Cadmium	Dissolved Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
JDR	Ground Water MS/MSD	01/15/04	1645	B1808	TCL Low Conc.	VOA	40 ml vial with Teflon-lined septum	80 ml	1:1 HCl to pH < 2 Cool to 4°C
				MB1808	Lead, Cadmium	Total Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C
				MB1808	Lead, Cadmium	Dissolved Metals	1 liter Polyethylene with Teflon-lined cap	1 liter	1N HNO3 to pH<2 Cool to 4°C

APPENDIX A
ORGANIC TRAFFIC REPORT & CHAIN OF CUSTODY RECORDS
(TCL ANALYSIS)



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32513

DAS No:

R

Region: 2	Date Shipped: 1/14/04	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)	
Account Code:	Airbill: 841607534884	1 <i>[Signature]</i> 1/14/04 10:25	2 <i>[Signature]</i> 1/14/04 10:40	
CERCLIS ID:	Shipped to: A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands TX 77380 (281) 292-5277	2		
Spill ID: 0261		3		
Site Name/State: NL Industries/NJ		4		
Project Leader: Diane Salkie				
Action:				
Sampling Co: U.S. EPA				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B1804	Field QC/ Diane Salkie	L/G	VOA (14)	(HCL) (2)	TB-01	S: 1/14/04	10:25		Trip Blank
B1805	Ground Water/ Diane Salkie	M/G	VOA (14)	(HCL) (2)	ND	S: 1/14/04	10:40	MB1805	-
B1806	Ground Water/ Diane Salkie	M/G	VOA (14)	(HCL) (2)	KSR	S: 1/14/04	14:30	MB1806	-
B1807	Ground Water/ Diane Salkie	M/G	VOA (14)	(HCL) (2)	DSR	S: 1/14/04	14:45	MB1807	Field Duplicate
B1808	Ground Water/ Diane Salkie	M/G	VOA (14)	(HCL) (2)	JDR	S: 1/14/04	16:45	MB1808	Spike

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
VOA = CLP TCL Volatiles			

TR Number: 2-231128715-011404-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

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APPENDIX B

INORGANIC TRAFFIC REPORT & CHAIN OF CUSTODY RECORDS

(TAL ANALYSIS)



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32513

CAS No:

R

Region: 2	Date Shipped: 1/15/04	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: Airborne	Relinquished By (Date/Time)	Received By (Date/Time)	
Account Code:	Airbill:	1 <i>[Signature]</i> 1/15/04 1:30		
CERCLIS ID:	Shipped to: U.S. EPA Laboratory Branch 2830 Woodbridge Ave. Edison N.J. 08837 (732) 906-6886	2		
Spill ID: 0261		3		
Site Name/State: NL Industries/NJ		4		
Project Leader: Diane Salkie				
Action:				
Sampling Co: U.S. EPA				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB1805	Ground Water/ Diane Salkie	M/G	DM (21), TM (21)	(Ice Only) (2)	ND	1/14/04	10 40	B1805	-
MB1806	Ground Water/ Diane Salkie	M/G	DM (21), TM (21)	(Ice Only) (2)	KSR	1/14/04	14 30	B1806	-
MB1807	Ground Water/ Diane Salkie	M/G	DM (21), TM (21)	(HNO3) (2)	DSR	1/14/04	14 45	B1807	Field Duplicate
MB1808	Ground Water/ Diane Salkie	M/G	DM (21), TM (21)	(Ice Only) (1)	JDR	1/14/04	16 45	B1808	Spike

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: MB1808	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Used?
DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals			

TR Number: 2-231128715-011404-0001

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